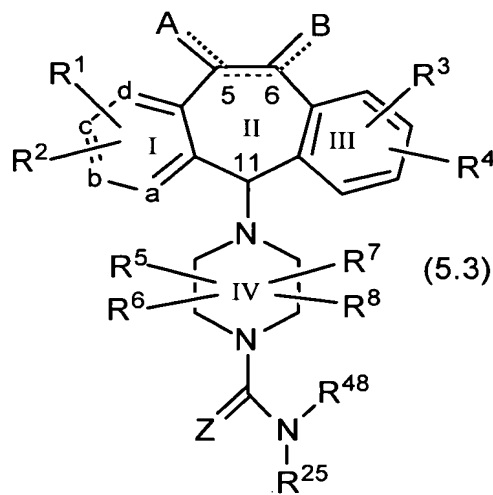
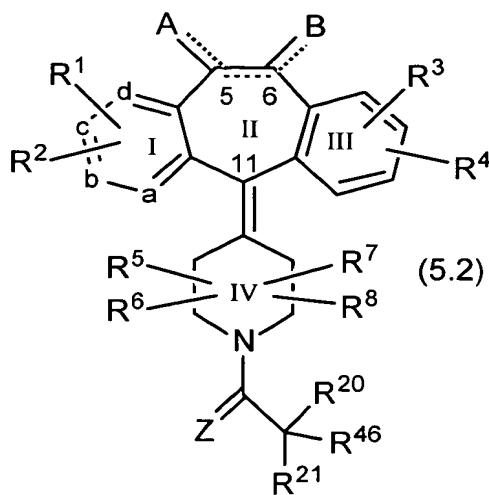
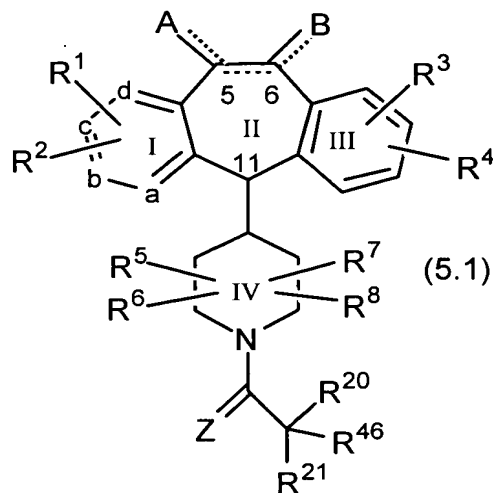
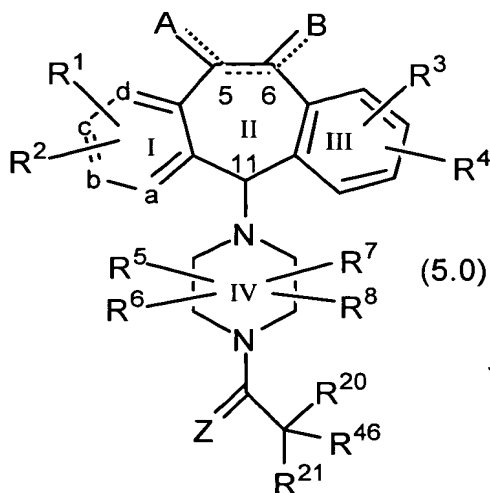
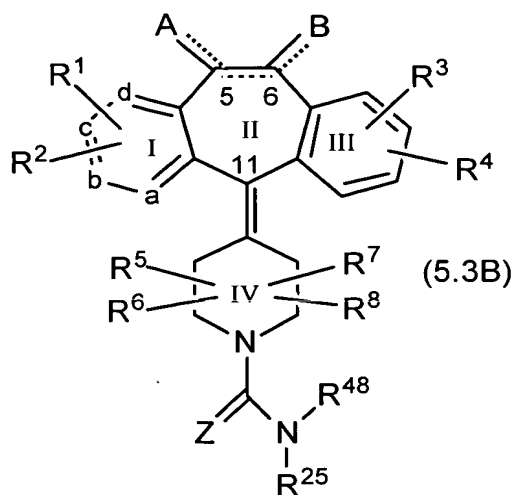
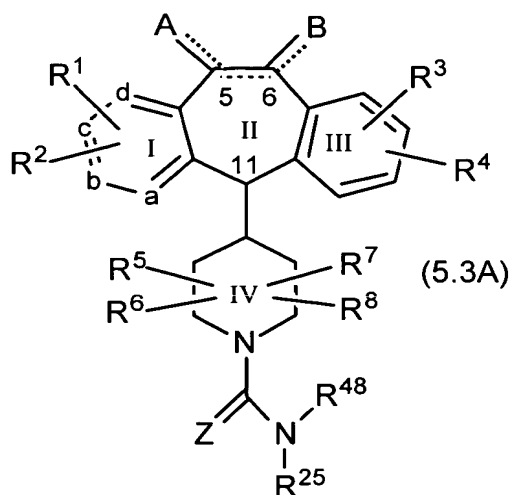


Replace Claim 13 with the like numbered claim below.

13. (AMENDED) A compound selected from a compound of the formula:



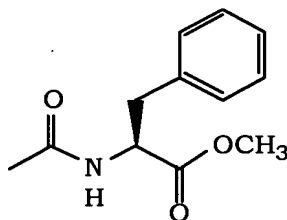


or

or a pharmaceutically acceptable salt or solvate thereof, wherein :

one of a, b, c and d represents N or NR⁹ wherein R⁹ is O⁻, -CH₃ or -(CH₂)_nCO₂H wherein n is 1 to 3, and the remaining a, b, c and d groups represent CR¹ or CR²; or

each of a, b, c, and d are independently selected from CR¹ or CR²; each R¹ and each R² is independently selected from H, halo, -CF₃, -OR¹⁰, -COR¹⁰, -SR¹⁰, -S(O)_tR¹¹ (wherein t is 0, 1 or 2), -SCN, -N(R¹⁰)₂, -NO₂, -OC(O)R¹⁰, -CO₂R¹⁰, -OCO₂R¹¹, -CN, -NHC(O)R¹⁰, -NHSO₂R¹⁰, -CONHR¹⁰, -CONHCH₂CH₂OH, -NR¹⁰COOR¹¹, -SR¹¹C(O)OR¹¹,



-SR¹¹N(R⁷⁵)₂ (wherein each R⁷⁵ is independently selected from H and -C(O)OR¹¹), benzotriazol-1-yloxy, tetrazol-5-ylthio, or substituted tetrazol-5-ylthio, alkynyl, alkenyl or alkyl, said alkyl or alkenyl group optionally being substituted with halo, -OR¹⁰ or -CO₂R¹⁰;

R³ and R⁴ are the same or different and each independently represents H, any of the substituents of R¹ and R², or R³ and R⁴ taken together represent a saturated or unsaturated C₅-C₇ fused ring to the benzene ring;

R⁵, R⁶, R⁷ and R⁸ each independently represents H, -CF₃, -COR¹⁰, alkyl or aryl, said alkyl or aryl optionally being substituted with -OR¹⁰,

-SR¹⁰, -S(O)_iR¹¹, -NR¹⁰COOR¹¹, -N(R¹⁰)₂, -NO₂, -COR¹⁰, -OCOR¹⁰, -OCO₂R¹¹, -CO₂R¹⁰, OPO₃R¹⁰ or one of R⁵, R⁶, R⁷ and R⁸ can be taken in combination with R⁴⁰ as defined below to represent -(CH₂)_r- wherein r is 1 to 4 which can be substituted with lower alkyl, lower alkoxy, -CF₃ or aryl, or R⁵ is combined with R⁶ to represent =O or =S and/or R⁷ is combined with R⁸ to represent =O or =S;

R¹⁰ represents H, alkyl, aryl, or aralkyl;

R¹¹ represents alkyl or aryl;

X represents N, CH or C, which C may contain an optional double bond, represented by the dotted line, to carbon atom 11;

the dotted line between carbon atoms 5 and 6 represents an optional double bond, such that when a double bond is present, A and B independently represent -R¹⁰, halo, -OR¹¹, -OCO₂R¹¹ or -OC(O)R¹⁰, and when no double bond is present between carbon atoms 5 and 6, A and B each independently represent H₂, -(OR¹¹)₂; H and halo, dihalo, alkyl and H, (alkyl)₂, -H and -OC(O)R¹⁰, H and -OR¹⁰, =O, aryl and H, =NOR¹⁰ or -O-(CH₂)_p-O- wherein p is 2, 3 or 4;

R²⁰, R²¹ and R⁴⁶ are each independently selected from the group consisting of:

- (1) H;
- (2) -(CH₂)_qSC(O)CH₃ wherein q is 1 to 3;
- (3) -(CH₂)_qOSO₂CH₃ wherein q is 1 to 3;
- (4) -OH;
- (5) -CS(CH₂)_w(substituted phenyl) wherein w is 1 to 3 and the substituents on said substituted phenyl group are the same substituents as described below for said substituted phenyl;

(6) -NH₂;

(7) -NHCBZ;

(8) -NHC(O)OR²² wherein R²² is an alkyl group having from 1 to 5 carbon atoms, or R²² represents phenyl substituted with 1 to 3 alkyl groups;

(9) alkyl;

(10) -(CH₂)_kphenyl wherein k is 1 to 6;

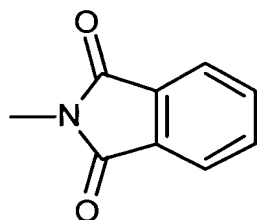
(11) phenyl;

(12) substituted phenyl wherein the substituents are selected from the group consisting of: halo, NO₂, -OH, -OCH₃, -NH₂, -NHR²², -N(R²²)₂,

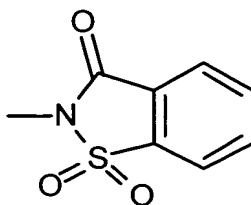
alkyl, $-O(CH_2)_t$ phenyl (wherein t is from 1 to 3), and $-O(CH_2)_t$ substituted phenyl (wherein t is from 1 to 3);

- (13) naphthyl;
- (14) substituted naphthyl, wherein the substituents are as defined for substituted phenyl above;
- (15) bridged polycyclic hydrocarbons having from 5 to 10 carbon atoms;
- (16) cycloalkyl having from 5 to 7 carbon atoms;
- (17) heteroaryl;
- (18) hydroxyalkyl;
- (19) substituted pyridyl or substituted pyridyl N-oxide wherein the substituents are selected from methylpyridyl, morpholinyl, imidazolyl, 1-piperidinyl, 1-(4-methylpiperazinyl), $-S(O)_tR^{11}$, or any of the substituents given above for said substituted phenyl, and said substituents are bound to a ring carbon by replacement of the hydrogen bound to said carbon;

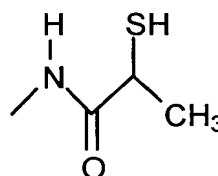
(20)



(21)



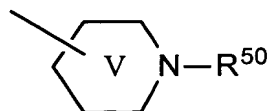
(22)



(23) $-NHC(O)-(CH_2)_k$ -phenyl or $-NH(O)-(CH_2)_k$ -substituted phenyl,

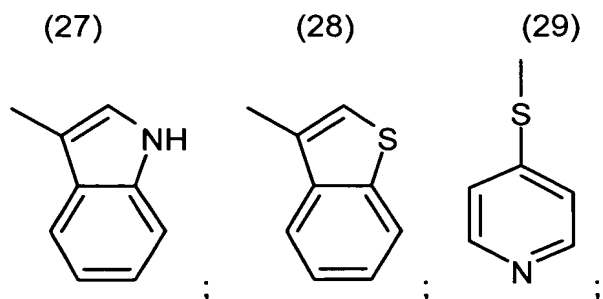
wherein said k is as defined above;

(24) piperidine Ring V:



wherein R^{50} represents H, alkyl, alkylcarbonyl, alkyloxycarbonyl, haloalkyl, or $-C(O)NH(R^{10})$ wherein R^{10} is H or alkyl;

- (25) $-NHC(O)CH_2C_6H_5$ or $-NHC(O)CH_2$ -substituted- C_6H_5 ;
- (26) $-NHC(O)OC_6H_5$;



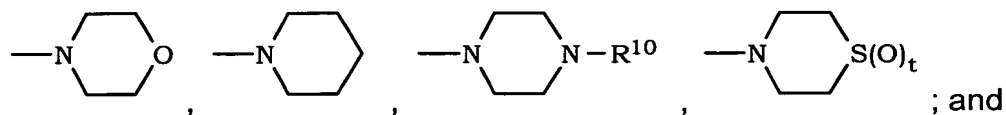
(30) -OC(O)-heteroaryl;

(31) -O-alkyl; and

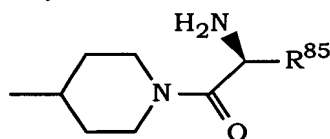
(32) -CF₃;

(33) -CN;

(34) a heterocycloalkyl group of the formula



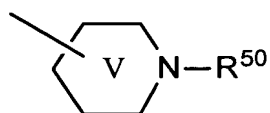
(35) a piperidinyl group of the formula



wherein R⁸⁵ is H, alkyl, or alkyl substituted by -OH or -SCH₃; or

R²⁰ and R²¹ taken together form a =O group and the remaining R⁴⁶ is as defined above; or

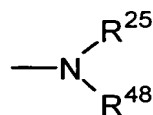
Two of R²⁰, R²¹ and R⁴⁶ taken together form piperidine Ring V



wherein R⁵⁰ is as defined above;

with the proviso that R⁴⁶, R²⁰ and R²¹ are selected such that the carbon atom to which they are bound does not contain more than one heteroatom;

R⁴⁴ represents



wherein R²⁵ represents heteroaryl, N-methylpiperidinyl or aryl; and R⁴⁸ represents H or alkyl;

Z represents O or S; and

A:

[illegible]